

Title (en)
VIDEO MODEM

Title (de)
VIDEOMODEM

Title (fr)
MODEM VIDEO

Publication
EP 0795252 A4 19980916 (EN)

Application
EP 95942425 A 19951201

Priority
• US 9514946 W 19951201
• US 35211294 A 19941201

Abstract (en)
[origin: US5786844A] An apparatus and method is provided for modulating and transmitting full-motion, television-quality color video signals along with digital data signals over a pair of ordinary unshielded twisted pair telephone wires without interfering with normal telephone data on the wires. A transmission method is disclosed involving frequency modulation of a baseband video signal and subsequent filtering to suppress an upper sideband corresponding to a color component of the original video signal. The filtered signal is received from the telephone wires at a difference location, filtered, demodulated and provided to a display device. Full-duplex operation over the same pair of wires is possible, such that two video signals may be simultaneously transmitted, each signal having an approximate bandwidth of 6 MHZ and shifted to a desirable noninterfering frequency location within the approximately 20 MHZ of usable bandwidth on the telephone wires. No pre-emphasis or de-emphasis is required to achieve good quality video transmission. The system has many applications including video distribution, conferencing, and communications.

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IPC 8 full level
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H04N 11/02 (2013.01 - EP US)

Citation (search report)
• [A] WO 9311637 A1 19930610 - INLINE CONNECTION CORP [US]
• [A] US 5283637 A 19940201 - GOOLCHARAN BOYSIE M [US]
• See references of WO 9617474A1

Designated contracting state (EPC)
DE ES FR GB

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US 5786844 A 19980728; AU 4365296 A 19960619; CA 2206521 A1 19960606; CA 2206521 C 20010130; CN 1109441 C 20030521;
CN 1171876 A 19980128; EP 0795252 A1 19970917; EP 0795252 A4 19980916; JP H10510119 A 19980929; MX 9704045 A 19980228;
TW 344924 B 19981111; US 5621455 A 19970415; WO 9617474 A1 19960606

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US 77544596 A 19961230; AU 4365296 A 19951201; CA 2206521 A 19951201; CN 95197271 A 19951201; EP 95942425 A 19951201;
JP 51885896 A 19951201; MX 9704045 A 19951201; TW 84112850 A 19951201; US 35211294 A 19941201; US 9514946 W 19951201